

OXIDATIVE DAMAGE & REPAIR

THE 5TH BIENNIAL MEETING OF THE INTERNATIONAL SOCIETY FOR FREE RADICAL RESEARCH
Hosted by *The Oxygen Society*; Sponsored by *The Institute for Toxicology, University of Southern California*

November 14th-20th, 1990 in Pasadena, California, U.S.A.

SCIENTIFIC PROGRAM

The following speakers and session chairs have been invited to participate in the program:

Morning Plenary Session Chairs

Britton Chance, University of Pennsylvania, USA
Mario U. Dianzani, University of Turin, Italy
Osamu Hayaishi, Osaka Medical College, Japan
Paul Hochstein, University of Southern California, USA
Lars Ernster, University of Stockholm, Sweden
Catherine Rice-Evans, Royal Free Hospital School of Medicine, England
Irwin Fridovich, Duke University, USA
Trevor Slater, Brunel University, England
Janusz M. Gebicki, Macquarie University, Australia
Kunio Yagi, Institute of Applied Biochemistry, Mitake, Japan

Session 1 - Oxidative Stress Genes and Proteins

Morning Plenary Speaker: Bruce N. Ames, University of California, Berkeley, USA
Afternoon Session Chair: John Eaton, University of Minnesota, USA
Afternoon Invited Speakers: Daniele Touati, University of Paris, France
Rex M. Tyrrell, Swiss Institute for Experimental Cancer Research, Switzerland
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 2 - Oxidative Modification of Lipoproteins in Atherosclerosis

Morning Plenary Speaker: Daniel Steinberg, University of California, San Diego, USA
Afternoon Session Chair: Mario Comporti, University of Siena, Italy
Afternoon Invited Speakers: Herman Esterbauer, University of Graz, Austria
Maggie Haberland, University of California, Los Angeles, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 3 - Intracellular Generation of Free Radicals

Morning Plenary Speaker: Alberto Boveris, University of Buenos Aires, Argentina
Afternoon Session Chair: Lester Packer, University of California, Berkeley, USA
Afternoon Invited Speakers: Makoto Suematsu, Keio University, Japan
Hans Nohl, Veterinary University of Vienna, Austria
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 4 - Spin Trapping and New Developments in EPR

Morning Plenary Speaker: Edward G. Janzen, University of Guelph, Canada
Afternoon Session Chair: Donald C. Borg, Brookhaven National Laboratory, USA
Afternoon Invited Speakers: Ohara Augusto, University of Sao Paulo, Brazil
B. Kalyanaraman, Medical College of Wisconsin, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 5 - DNA Damage and Repair

Morning Plenary Speaker: Bruce Demple, Harvard University, USA
Afternoon Session Chair: Robert Floyd, Oklahoma Medical Research Foundation, USA
Afternoon Invited Speakers: Bernard Weiss, Johns Hopkins University, USA
Paul Doetsch, Emory University, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 6 - Free Radical Chemistry and Radiochemistry

Morning Plenary Speaker: Robin L. Wilson, Brunel University, England
Afternoon Session Chair: Gidon Czapski, Hebrew University, Israel
Afternoon Invited Speakers: K. Dieter Asmus, Hahn Meitner Institute, West Germany
Wolf Bors, Institute for Radiation Biology, Neuherberg, West Germany
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 7 - Antioxidant Compounds

Morning Plenary Speaker: Etsuo Niki, University of Tokyo, Japan
Afternoon Session Chair: Michael G. Simic, National Bureau of Standards, USA
Afternoon Invited Speakers: Donald J. Reed, Oregon State University, USA
Giuseppe Rotilio, City University of Rome, Italy
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 8 - Photooxidative Stress & Photodynamic Therapy

Morning Plenary Speaker: Thomas J. Dougherty, Roswell Park Cancer Institute, USA
Afternoon Session Chair: Norman I. Krinsky, Tufts University, USA
Afternoon Invited Speakers: Helmut Sies, University of Dusseldorf, West Germany
Christopher S. Foote, University of California, Los Angeles, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 9 - Protein Damage and Repair

Morning Plenary Speaker: Earl R. Stadtman, National Heart, Lung, and Blood Institute, USA
Afternoon Session Chair: Roger T. Dean, The Heart Research Institute, Sydney, Australia
Afternoon Invited Speakers: Samuel M. Rapoport, Alexander von Humboldt University, East Germany
John Gutteridge, National Institute for Biological Standards, England
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 10 - Mechanisms of Ischemia/Reperfusion Injury

Morning Plenary Speaker: Joe M. McCord, University of South Alabama, USA
Afternoon Session Chair: Bruce A. Freeman, University of Alabama at Birmingham, USA
Afternoon Invited Speakers: William B. Weglicki, George Washington Medical Center, USA
Arduino Arduini, University of Chieti, Italy
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 11 - Metabolic Regulation in Oxidative Stress

Morning Plenary Speaker: Sten Orrenius, Karolinska Institute, Sweden
Afternoon Session Chair: Eduardo Lissi, University of Santiago, Chile
Afternoon Invited Speakers: Timothy M. Chan, University of Southern California, USA
William E.M. Lands, University of Illinois, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 12 - Smog

Morning Plenary Speaker: William A. Pryor, Louisiana State University, Baton Rouge, USA
Afternoon Session Chair: Don Tierney, University of California, Los Angeles, USA
Afternoon Invited Speakers: Bernard D. Goldstein, Rutgers Medical School, USA
Masaru Sagai, National Institute for Environmental Studies, Japan
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 13 - Lipid Damage and Repair

Morning Plenary Speaker: Alex Sevanian, University of Southern California, USA
Afternoon Session Chair: Al L. Tappel, University of California, Davis, USA
Afternoon Invited Speakers: William F. Zimmerman, Amherst College, USA
Bertram Lubin, Childrens Hospital, Oakland, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 14 - Antioxidant Enzymes

Morning Plenary Speaker: Cecil B. Pickett, Merck Frosst Inc., Canada
Afternoon Session Chair: C. Channa Reddy, Penn State University, USA
Afternoon Invited Speakers: Enrique Cadenas, University of Southern California, USA
Fulvio Ursini, University of Padova, Italy
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 15 - Inflammation

Morning Plenary Speaker: Bengt Samuelsson, Karolinska Institute, Sweden.
Afternoon Session Chair: Bernard M. Babior, Scripps Clinic & Research Foundation, USA
Afternoon Invited Speakers: Peter A. Ward, University of Michigan, USA
Lawrence J. Marnett, Vanderbilt University, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 16 - Antioxidant Therapy: Ischemia/Reperfusion, Burn/Trauma

Morning Plenary Speaker: David J. Hearse, The Rayne Institute, England
Afternoon Session Chair: Gregory Bulkley, Johns Hopkins University, USA
Afternoon Invited Speakers: Toshikazu Yoshikawa, Kyoto Prefectural University of Medicine, Japan
Neil D. Granger, Louisiana State University, Shreveport, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 17 - Cytochrome P-450 and Oxidative Stress

Morning Plenary Speaker: Ronald W. Estabrook, University of Texas, USA
Afternoon Session Chair: Albrecht Wendel, University of Tübingen, West Germany
Afternoon Invited Speakers: Minor J. Coon, University of Michigan, USA
Volker Ullrich, University of Constance, West Germany
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 18 - Cancer and Oxidative Stress

Morning Plenary Speaker: Peter A. Cerutti, Swiss Institute for Experimental Cancer Research, Switzerland
Afternoon Session Chair: Carmia Borek, Columbia University, USA
Afternoon Invited Speakers: Sigmund Weitzman, Northwestern University, USA
Yuri A. Vladimirov, Moscow State Medical Institute, USSR
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 19 - Transition Metals in Oxidative Stress

Morning Plenary Speaker: Christine Winterbourn, Christchurch School of Medicine, New Zealand
Afternoon Session Chair: Steven D. Aust, Utah State University, USA
Afternoon Invited Speakers: Peter Dervan, California Institute of Technology, USA
Paul Ortiz de Montellano, University of California, San Francisco, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 20 - Antioxidant Therapy: Rheumatoid Diseases, Diseases of the Eye

Morning Plenary Speaker: Barry Halliwell, University of London, England
Afternoon Session Chair: Henry Betts, Queen Elizabeth Hospital, Australia
Afternoon Invited Speakers: Alan Taylor, Tufts University, USA
Ingrid Emerit, Institut Biomedical des Cordeliers, Paris, France
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

"OXIDATIVE DAMAGE & REPAIR"

PROGRAM OUTLINE

<u>TIME</u>	<u>Wednesday November 14</u>	<u>Thursday November 15</u>	<u>Friday November 16</u>	<u>Saturday November 17</u>	<u>Sunday November 18</u>	<u>Monday November 19</u>
9:00am-10:20am		Introductions Plenary Lecture	Plenary Lectures	Plenary Lectures	Plenary Lectures	Plenary Lectures
10:20am-10:40am		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
10:40am-12:30pm	Hotel Check-in and Conference	Plenary Lectures	Plenary Lectures Constituent Society Business Meetings	Plenary Lectures SFRR International Business Meeting	Plenary Lectures Future Meetings	Plenary Lectures Forum
12:30pm-1:30pm		Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
1:30pm-2:30pm	Registration	Poster Sessions	Poster Sessions	Poster Sessions	Poster Sessions	Poster Sessions
2:30pm-5:30pm		Afternoon Symposia	Afternoon Symposia	Afternoon Symposia	Afternoon Symposia	Afternoon Symposia
5:30pm-6:30pm		Poster Sessions	Poster Sessions	Poster Sessions	Poster Sessions	Poster Sessions
7:00pm	Welcome Reception	Reception	Reception	Reception	Banquet	Farewell Reception

Saturday November 10 through Wednesday November 14 - Pre-conference Tour (Southern California)

Wednesday November 14 through Monday November 19 - Conference (Arrive Nov. 14, Depart Nov. 20)

Tuesday November 20 through Saturday November 24 - Post-conference Tour (Northern California)

**"OXIDATIVE DAMAGE & REPAIR"
DETAILED PROGRAM**

<u>TIME</u>	<u>Wednesday November 14</u>	<u>Thursday November 15</u>	<u>Friday November 16</u>	<u>Saturday November 17</u>	<u>Sunday November 18</u>	<u>Monday November 19</u>
		Plenary Session	Plenary Session	Plenary Session	Plenary Session	Plenary Session
9:00am- 9:40am 9:40am-10:20am		Introductions Plenary Lecture 1A	Plenary Lecture 5A Plenary Lecture 6A	Plenary Lecture 9A Plenary Lecture 10A	Plenary Lecture 13A Plenary Lecture 14A	Plenary Lecture 17A Plenary Lecture 18A
10:20am-10:40am 10:40am-11:20am		Coffee Break Plenary Lecture 2A	Coffee Break Plenary Lecture 7A	Coffee Break Plenary Lecture 11A	Coffee Break Plenary Lecture 15A	Coffee Break Plenary Lecture 19A
11:20am-12:00pm 12:00pm-12:30pm	Hotel Check-in	Plenary Lecture 3A Plenary Lecture 4A	Plenary Lecture 8A Constituent Society Business Meetings	Plenary Lecture 12A SFRR International Business Meeting	Plenary Lecture 16A Future Meetings	Plenary Lecture 20A Forum
12:30pm-1:30pm	and Conference	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
1:30pm-2:30pm	Registration	Poster Sessions 1,2,3,4	Poster Sessions 5,6,7,8	Poster Sessions 9,10,11,12	Poster Sessions 13,14,15,16	Poster Sessions 17,18,19,20
		Parallel Sessions 1B,2B,3B,4B	Parallel Sessions 5B,6B,7B,8B	Parallel Sessions 9B,10B,11B,12B	Parallel Sessions 13B,14B,15B,16B	Parallel Sessions 17B,18B,19B,20B
2:30pm-3:00pm 3:00pm-3:30pm		Invited Lectures (4) Invited Lectures (4)	Invited Lectures (4) Invited Lectures (4)	Invited Lectures (4) Invited Lectures (4)	Invited Lectures (4) Invited Lectures (4)	Invited Lectures (4) Invited Lectures (4)
3:30pm-4:00pm 4:00pm-4:30pm 4:30pm-5:00pm 5:00pm-5:30pm		Selected Talks (4) Selected Talks (4) Selected Talks (4) Selected Talks (4)	Selected Talks (4) Selected Talks (4) Selected Talks (4) Selected Talks (4)	Selected Talks (4) Selected Talks (4) Selected Talks (4) Selected Talks (4)	Selected Talks (4) Selected Talks (4) Selected Talks (4) Selected Talks (4)	Selected Talks (4) Selected Talks (4) Selected Talks (4) Selected Talks (4)
5:30pm-6:30pm		Poster Sessions 1,2,3,4	Poster Sessions 5,6,7,8	Poster Sessions 9,10,11,12	Poster Sessions 13,14,15,16	Poster Sessions 17,18,19,20
7:00pm	Welcome Reception	Reception	Reception	Reception	"Thanksgiving" Banquet	Farewell Reception

Program 1.90
Oxidative Damage & Repair/KJAD/cdh